

# University Avenue Mobility Study

prepared for



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DAVID EVANS  
AND ASSOCIATES INC.

**Darnell & ASSOCIATES, INC.**  
TRANSPORTATION PLANNING & TRAFFIC ENGINEERING





# Outline



- Introduction
- Project Overview
- Principles of Participation
- Overview of the Corridor
- Mobility Issues
- Project Schedule
- Meeting Schedule
- Preparation for Community Walk Audits
- Review of Action Items





# Technical Team Introduction



- Thomas Landre – City of SD PM
- Oscar Valdivieso – City of SD
- Tracey Reed – City Redevelopment
- Bill Darnell – Darnell and Associates, Traffic
- Lewis Michaelson – Katz and Associates
- Tricia McColl – David Evans, Civil Engineer
- Pat O'Connor – Parterre, Landscape Architect



# Mission

The Mission of the Working Group is to assist the Technical Group in the preparation of the University Avenue Corridor Mobility Study. To accomplish this mission, the working group members will:

- Assist the Technical Group in understanding Community Issues
- Act as liaison to the Community
- Review technical studies
- Assist in developing solutions to mobility issues
- Provide input regarding preferred concepts for the University Avenue Corridor





# Existing Conditions Data

Vehicular Traffic Counts

LOS Analysis

Pedestrian Counts

Bicycle Counts

Accident Data

Master Plans

Transit Facilities

Physical Constraints





# Overview of the Corridor

## Mobility

- Vehicular
- Pedestrian
- Bicycle
- Transit







# Vehicular Traffic

- Class - 4 Lane Major Arterial**
- 54<sup>th</sup> to 60<sup>th</sup> - 4 Lanes + parking
  - 60<sup>th</sup> to College – 5 Lanes + parking
  - College to 69<sup>th</sup> Street – 4 Lanes + parking





# 54<sup>th</sup> Street to Chollas – 4 Lanes







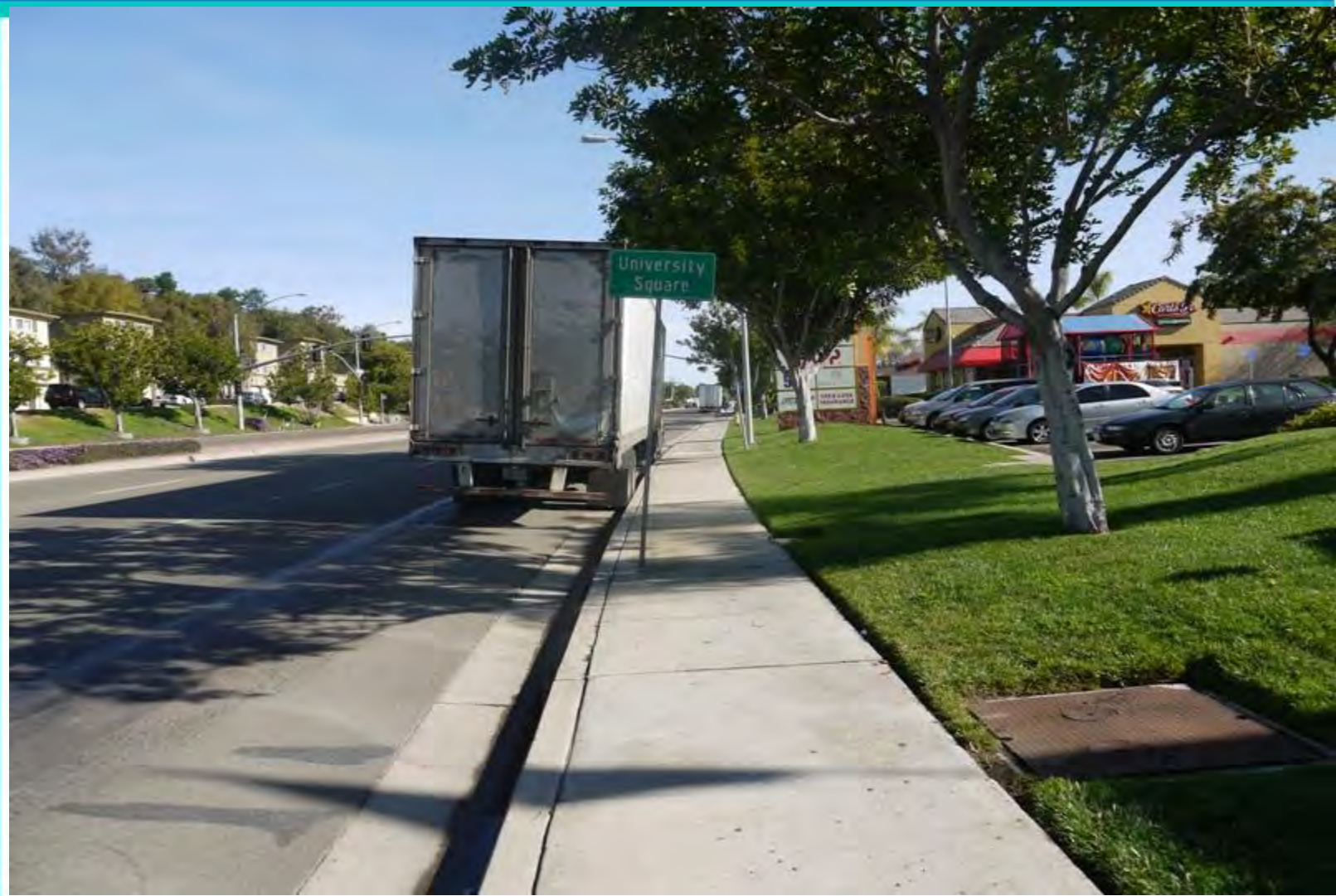
# 58<sup>th</sup> Street







# 58<sup>th</sup> Street to 60<sup>th</sup> Street 5 Travel Lanes







# 60<sup>th</sup> Street to College Avenue – 5 Travel Lanes







# College Avenue

## 4 Travel Lanes - Right Turn Only







# College Avenue to Cartagena Drive







# Cartagena Drive







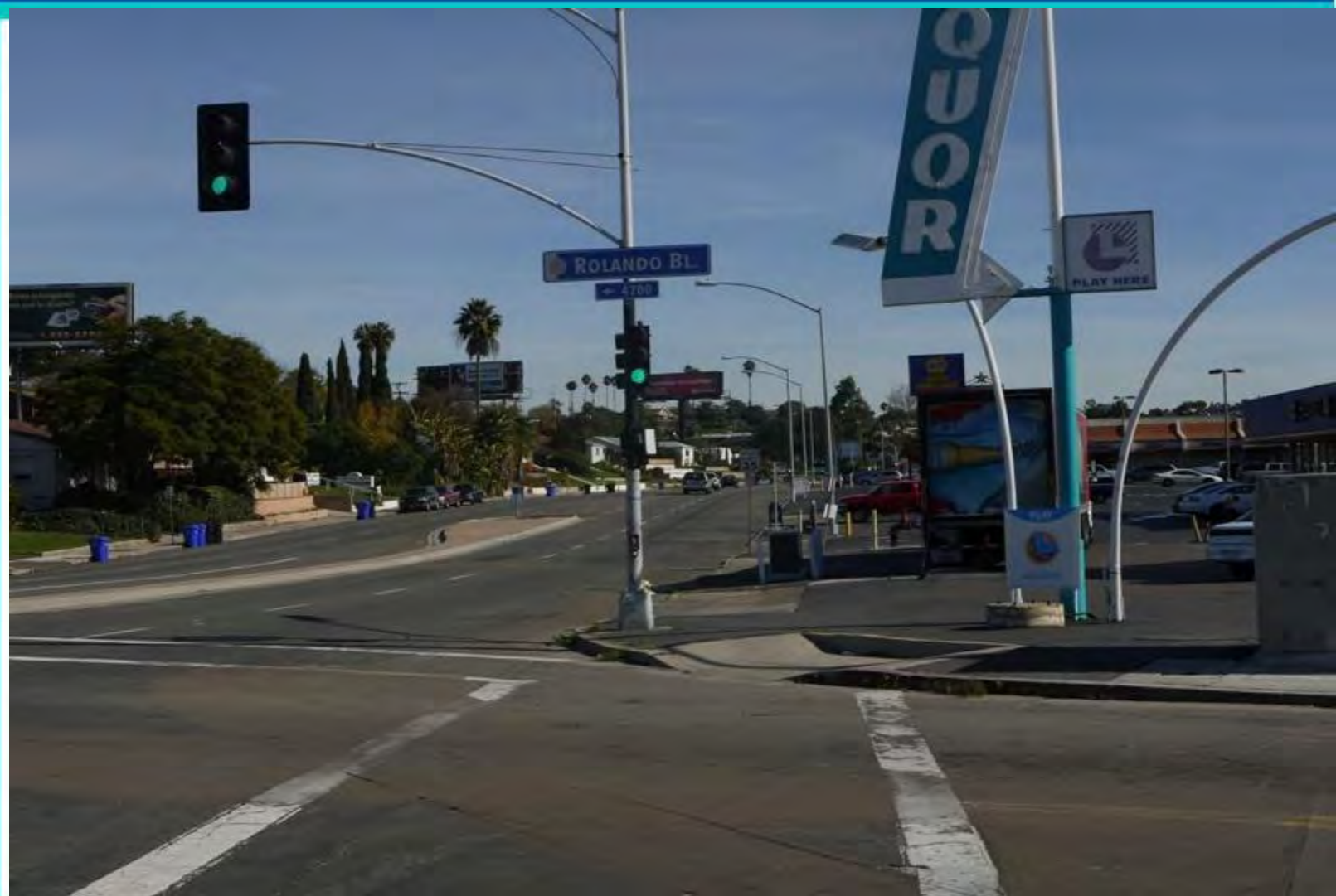
# Bonillo Drive to Rolando Boulevard





# Rolando Boulevard

## 4 Travel Lanes







# Rolando Boulevard to Aragon Drive







# Rolando Boulevard to Aragon Drive





# Rolando Boulevard to Aragon Drive

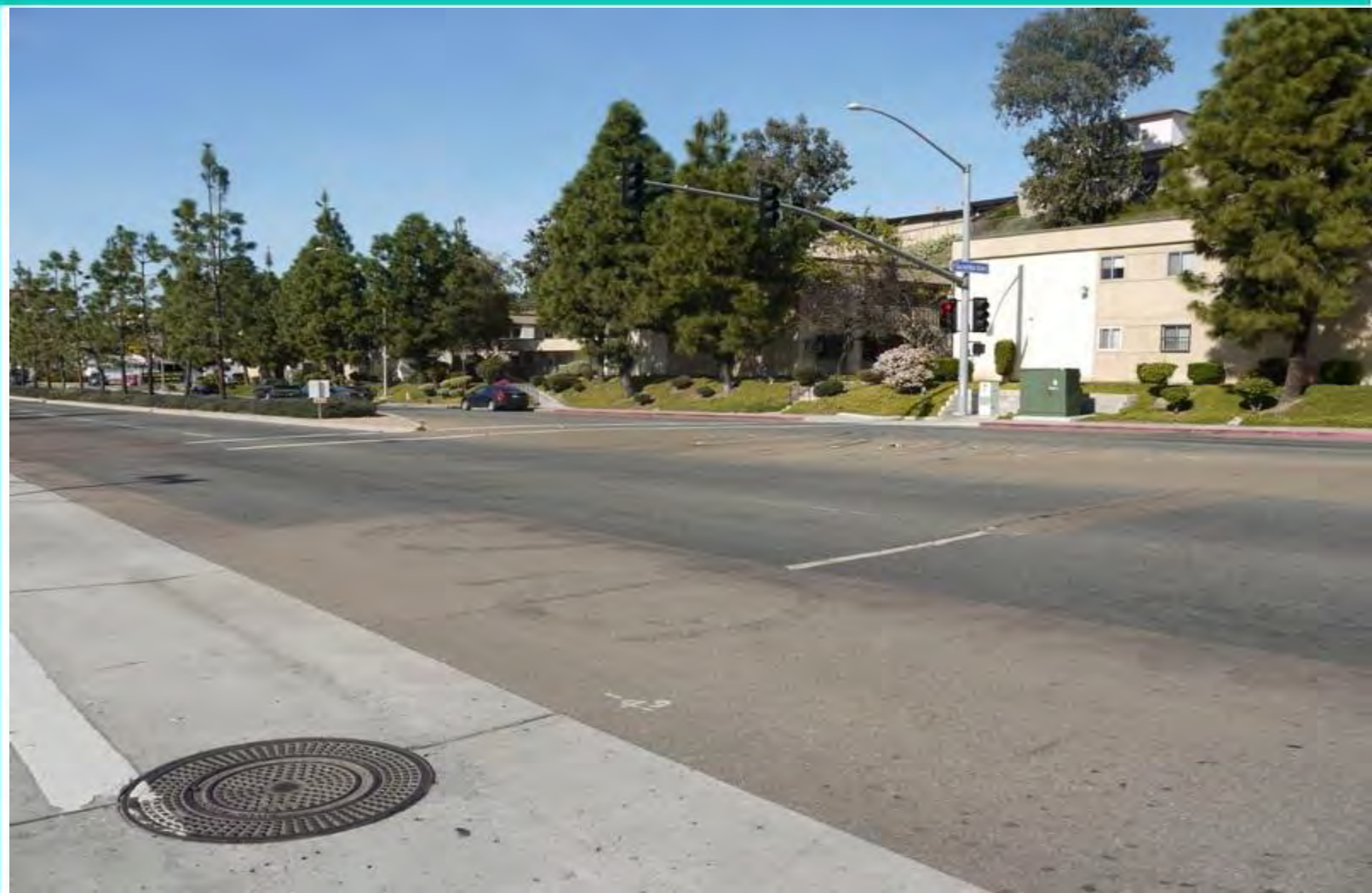
## 4 Travel Lanes







# Kroc Center 4 Travel Lanes







# Kroc Center





# Vehicular Traffic

## Posted Speed Limit

- 35 MPH East of Aragon
- 40 MPH West of Aragon

## 85<sup>th</sup> Percentile Speed

38 MPH to 40 MPH







# Vehicular Traffic

- Capacity 30,000 ADT (LOS C)
- 54<sup>th</sup> to 60<sup>th</sup> – 28,000 ADT
  - » LOS C
- 60<sup>th</sup> to College – 22,000 ADT
  - » LOS C
- College to 69<sup>th</sup> – 17,000 ADT
  - » LOS B





# Pedestrian Mobility



- Sidewalks
- Accessible Sidewalks
- Curb Ramps
- Cross Walks
- Limited Distance Across Intersections
- Limited Vehicular Access
- Landscaping





# Obstructions







# Knowledge and Understanding of Local Environment







# Narrow Sidewalks







# Typical Drainage at Intersections







# 58<sup>th</sup> Street to 60<sup>th</sup> Street







# University Square







# Rolando Boulevard to Aragon Drive







# Private Use in Right of Way







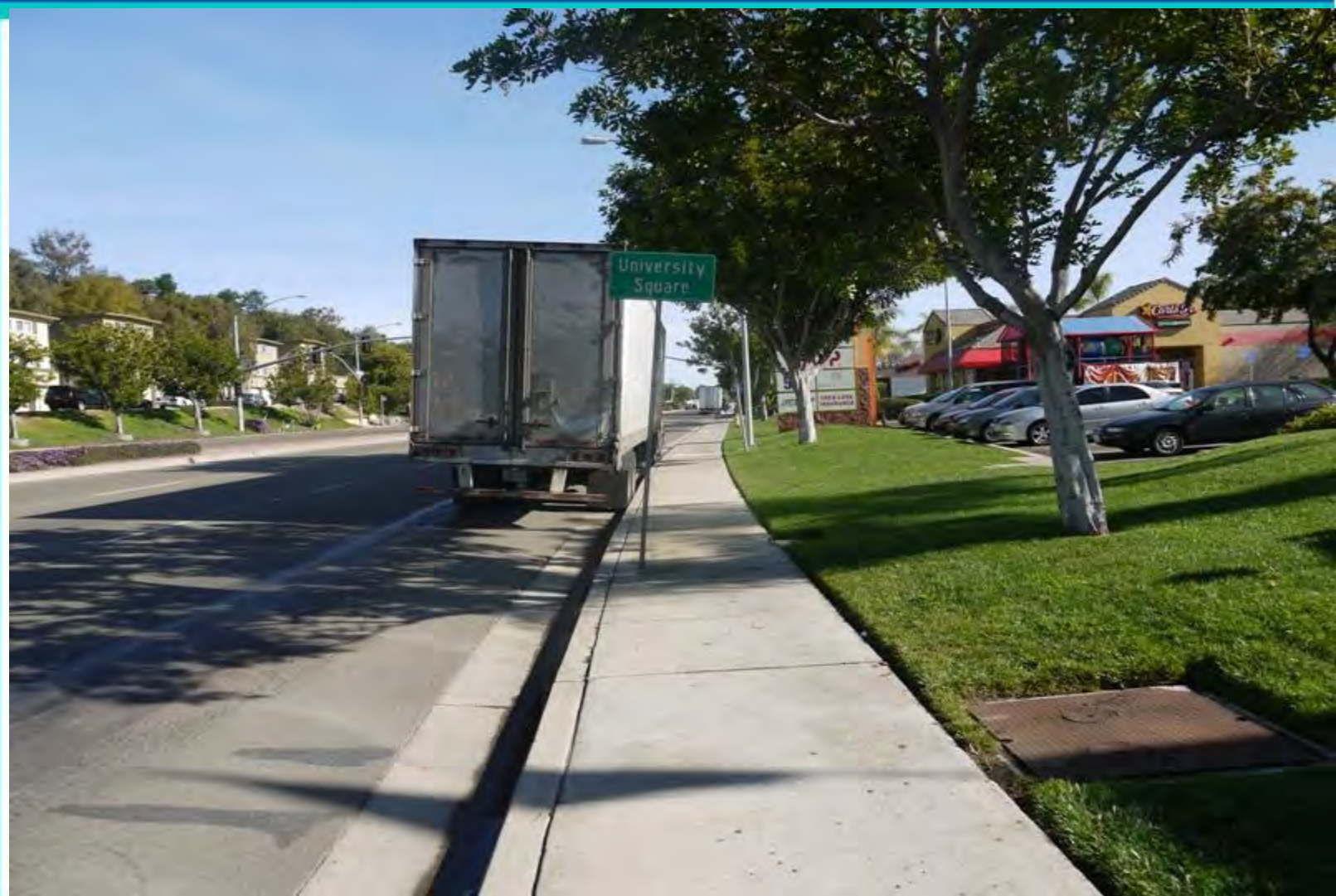
# Bicycle Mobility



- No Bike Lanes Today
- Community Plan for Future Bike Lanes
- Connectivity to Existing Bike Routes
- Bike Racks
- Highest bike counts at 54<sup>th</sup> Street and Cartagena
- 17 accidents in 11 Years



# 58<sup>th</sup> Street to 60<sup>th</sup> Street 5 Travel Lanes







# Bonillo Drive to Rolando Boulevard





# Parking in Conflict with Pedestrians







# Transit Mobility



- Route 10 - Express
- Route 7 - Local
- Heavily Traveled Commuter Route
- Bike Racks on Buses
- Accessible Routes to Bus Stops
- Waiting Area
- Shelters and Furniture



# Transit Mobility



451. University Ave & College Blvd - Bus stop 6W, Route 7 only.





# Transit Mobility



215. East of University Ave & Roloando - Bus stop 11E, Route 7 only.





# University Square







# Transit Mobility – University Square







# 58<sup>th</sup> Street to 60<sup>th</sup> Street

